

Title (en)

Observation system utilizing a remote controlled aircraft

Title (de)

Beobachtungssystem mit einem ferngelenkten Flugzeug ausgerüstet

Title (fr)

Système d'observation par aéronef télépiloté

Publication

**EP 0687626 A1 19951220 (FR)**

Application

**EP 95401366 A 19950613**

Priority

FR 9407298 A 19940615

Abstract (en)

The observation system includes an Earth-based control station (10) and a light pilot-less aircraft (12). The control station includes a pilotage system (22,24) to remotely pilot the aircraft. It also has receiver and displays (68) to visualise data transmitted by the plane. The aircraft includes observation system (16) including a camera, and a pilotage system (14) responsive to the control station order. In the first phase of observation, which extends until the wire breaks, the wire is used for the communication. In the second phase, including the return of the aircraft to the station, transmission is generally interrupted, and the plane flies on automatic pilot. In the third and final phase, the aircraft is controlled by the radio link, to enable it to land successfully.

IPC 1-7

**B64C 39/02**; **F41G 7/30**

IPC 8 full level

**B64C 39/02** (2006.01); **F41G 7/30** (2006.01)

CPC (source: EP)

**F41G 7/306** (2013.01); **G05D 1/0038** (2024.01); **B64U 10/60** (2023.01); **B64U 2101/30** (2023.01)

Citation (applicant)

FR 2257971 A2 19750808 - MOUZILLAT ROBERT [FR]

Citation (search report)

- [A] US 3761817 A 19730925 - FLACHMANN B, et al
- [A] EP 0148704 A2 19850717 - THOMSON CSF [FR] & FR 2557971 A1 19850712 - THOMSON CSF [FR]
- [A] US 3072904 A 19630108 - PHILIP YAFFEE

Cited by

WO2023135062A1; FR2913666A1; FR3131816A1; EP0915314A1; FR2769699A1; US6142410A; US11039002B2; US10470241B2; US10973083B2; US9655034B2; US10028211B2; US10162351B2; US11144048B2; US11644829B2; US9629076B2; US9961625B2; US10542487B2; EP1462898B1

Designated contracting state (EPC)

BE CH DE ES GB GR IT LI NL PT SE

DOCDB simple family (publication)

**EP 0687626 A1 19951220**; **EP 0687626 B1 19980902**; DE 69504421 D1 19981008; DE 69504421 T2 19990408; ES 2123928 T3 19990116; FR 2721458 A1 19951222; FR 2721458 B1 19960913

DOCDB simple family (application)

**EP 95401366 A 19950613**; DE 69504421 T 19950613; ES 95401366 T 19950613; FR 9407298 A 19940615